GROUNDWATER INDEX

County () Question)

Twp. 14N Rge. 5/E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
10	Hess Chest D. + Consadt.	57 Welding	286693	
2	Hess Joseph . + Compadity. Hess Joseph . + Compadity.	Hull frag	286693	r. Seo. 2 alove
7	Heas, greek J. + Comed H.	GW3	286691	Roo 52 N
10	Her John White	4wy	286693	Le Ser J above
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Form No. 18 8-60 T. 1/2 R. 51 County Demion TO) ECEIVE MONTANA BUREAU OF MINES AND GEOLOGY JAK Butte, Montana STATE ENGINEER DEC 29 1961 10:30 A.M. WATER WELL LOG Address Glondive Montana Owner John Mayor Driller Morold Gavin Address Lindsay Montana Date Started Oct. 22 Date CompletedOct.24 1961 Location: Sec. 1 T. 1 R. 51 $\frac{1}{4}$ sec. M.E. Type of well drilled __Equipment used___churn (Dug, driven, bored, or drilled) (Churn, drill, rotary, other) Water use: Domestic Municipal [Stock 🗐 Irrigation Industrial | Drainage 🗌 Other 0 ft. to 55 ft. Size Casing: Type___ Type____Size___ Casing: ft. to ft. Casing: ____ft. to ____ft. Type Size____ Perforated or Screened: Ft. 35 to ft. 55 . Ft. ___ to ft. ____ Type of screen or perforations clots cut in casing Static Water level, for non-flowing well: _______ Shut-in pressure, for flowing well: _____lb./sq. in. on: _____(dute) Pumping water level 35 feet at 5 gal. per min. How tested: | clash bucket Length of test one hour Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)

Form No. 18 8-60 County Dawson MONTANA BUREAU OF MINES AND GEOLOGY JAN Butte, Montana STATE ENGINEER DEC 29 1961 10:30 A.M. WATER WELL LOG Owner John Mayer Address Glendive Montana Driller Harold Cavin Address Lindsay Montana Date Completed Oct. 24 1961 Date Started Oct. 22 Location: Sec. 1 T. 14 R. 51 $\frac{1}{4}$ sec. N.E. Type of well drilled Equipment used churn (Dug, driven, bored, or drilled) Stock Domestic [Municipal Irrigation [Water use: Industrial | Drainage ___ Other___ 0 ft. to 55 ft. Type____Size___ Casing: ____ft. _____Size____ ft, to Туре ft. to ft. Type____Size__ Casing:__ Perforated or Screened: Ft. 35 to ft. 55 . Ft. to ft. Type of screen or perforations slots cut in casing Static Water level, for non-flowing well: 20 Shut-in pressure, for flowing well: _____lb./sq. in. on: _____(date) Pumping water level 35 feet at 5 gal. per min. How tested: slush bucket Length of test one hour Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off) (over)

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Depth, From	feet To	Description of Material Drilled		
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31,	55	gra ²		
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Denth.	feet		
Depth, From	To	Description of Material Drilled	
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20	34	clay which some gravel	
34	55	sant	
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£ 42	Approved Stock Form-State Publishing Co., Helena, Montana 39318
	Approved Stock Form—State Fundaming Co., Reiena, Modelana—19918
File No.	
DUPLICATE	County Powers
	STATE OF MONTANA
	TRATOR OF GROUNDWATER CODE JAN 14 1964
7. COTT	S TE LINGINEER
Notice of Complet	ion of Groundwater Appropriation
	Without Weil
(Under Cha	pter 237 Montana Session Laws, 1961)
-	
1 49 - 1	Date of Appropriation of Groundwater (1) 1940 (2) 1938
•	Josoph J. Haus 300 E. Mann St. Owner Conrad H. Haus Address Clemato, Montana
	Contractor (if any) None
	Address of Contractor None
	(1) 1040 (1) 1940
	Date Started (2) 1938 Date Completed (2) 1938
Sec. 9-14-51 N Sec. 16-15-52	Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to
	water when applicable (1 & 2) Eccavated 2 ft. deep for
	soring untur,
•/	
W	
	Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent
SEX 300. 9-14-51	estimate approximate lengths of periods of use (1) 2 gal. por
NE 1/4 Sec. 16 T 15 R 52	minute developed; measured by piping to tank. 400,000
Indicate point of appropriation	gal. usod per year. (2) 1 gal. per minute developed
and place of use, if possible.	
	measured by piping to tank; Used 4 menths per year.
	myssept ness
	Signature of Owner. (2) State of Nontana
	December 30, 1963

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

	Approved Stock Form—State Publishing Co., Helena, Montana—39318
File No.	
DUPLICATE	County Powers
	STATE OF MONTANA
	RATOR OF GROUNDWATER CODE JJ JAN 14 1964
	S TELINGINEER
Notice of Completi	on of Groundwater Appropriation
	Without Well
(Under Cha	pter 237 Montana Session Laws, 1961)
	Date of Appropriation of Groundwater (1) 1940 (2) 1938
	Josoph J. Hess 300 E. Mann St. Owner Conrad H. Hoss Address Glendive, Montana
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	Contractor (if any) Nove
	Address of Contractor None (1) 1940
	Date Started (2) 1938 Date Completed (2) 1938
Sec. 9-14-51 N Sec. 16-15-52	Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to
-4	water when applicable (1 & 2) Excavated 2 ft, deep for
	soring water.
•	
W	
	Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent
GRA 6-0 6 31 5	
SE; Sec. 9-14-51 NE 1/4 Sec. 16 T 15 R 52	estimate approximate lengths of periods of use (1) 2 gal. por
Indicate point of appropriation	minute developed; measured by piping to tank, 400,000
and place of use, if possible.	gal. used per year. (2) 1 gal. per minute developed;
	measured by piping to tank; Used 4 menths per year.
	local Tresa
	(1) Comad naiss
	Signature of Owner(2) State of Montana
	Date. December 30, 1963
This form to be prepared by contracto	or (if any), otherwise by the owner.

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

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Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

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Approved Stock Form-State Publishing Co., Helena, Montana-41921

File No. DUPLICATE

County Dawson

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights The ENGINEER

(Under Chanter 237, Montana Session Laws, 1961)

	tor) (Address) (Town)
(Name of Appropria	- Mindam
	State of State of January 1, 1962, as follows:
Sec. 4-14-51 Noc. 2-14-51	
	2. The heneficial use on which the claim is based 1,2,3,4
2	3. Date or approximate date of earliest beneficial use; and how continuous the use has been (1) 1959, constant; (2) 1927, not used at present; (3) 1925, not used at present; (4) 1939, notused at present.
7	4. The amount of groundwater claimed (in miner's inches or gallons per minute) (1) 6 CT1. (2) 4 CR1. (2) 4 CR1. (4) 4 CR1.
Bt 4-14-51 s 560.10-14-51	5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
1/4 Sec. 10 T14 R 51	
dicate point of appropriation d place of use, if possible. Each	a mile was a state of the local
all square represents 10 acres.	6. The means of withdrawing such water from the ground and the loca
all square represents 10 acres.	tion of each well or other means of withdrawal (1) rotor (2,3,4) notor.
all square represents 10 acres. The date of commencement and drawal of groundwater	tion of each well or other means of withdrawal (1) motor (2,3,4) notor.
all square represents 10 acres. The date of commencement and drawal of groundwater (1) 12.	tion of each well or other means of withdrawal (1) rotor (2,3,4) notor, d completion of the construction of the well, wells, or other works for with (59; (2) 1927, (3) 1925; (4) 1930
The date of commencement and drawal of groundwater 1	tion of each well or other means of withdrawal (1) notor (2,3,4) notor, d completion of the construction of the well, wells, or other works for with (2) 1927, (3) 1925; (4) 1930 oft. (2,3,) 50 ft. (4) 30 ft. the type, size and depth of each well or the general specifications of any othe andwater (1) drilled, in. casing, 80 ft. deep; (2) drilled, (3) drilled, (4) in. casing, (6) ft. deep; (4) drilled, 18 in.
The date of commencement and drawal of groundwater 11 12. The depth of water table 11 40. So far as it may be available, works for the withdrawal of groundwater 11 and 12. The depth of water table 12 40.	tion of each well or other means of withdrawal (1) motor (2,3,4) notor, d completion of the construction of the well, wells, or other works for with (2) 1927, (3) 1925; (4) 1930 oft. (2,3,) 50 ft. (4) 30 ft. the type, size and depth of each well or the general specifications of any othe andwater (1) drilled, in. casing, 80 ft. deep; (2) drilled, (3) drilled, 18 casing, 60 ft. deep. (4) drilled, 18 in. dwater withdrawn each year (1) 200,000 gal. (2,3,4) none at present
The date of commencement and drawal of groundwater 11 12. The depth of water table 11 40. So far as it may be available, works for the withdrawal of groundwater 11 and 12. The depth of water table 12 40.	tion of each well or other means of withdrawal (1) notor (2,3,4) notor, d completion of the construction of the well, wells, or other works for with (2) 1927, (3) 1925; (4) 1930 oft. (2,3,) 50 ft. (4) 30 ft. the type, size and depth of each well or the general specifications of any othe andwater (1) drilled, in. casing, 80 ft. deep; (2) drilled, (3) drilled, (4) in. casing, (6) ft. deep; (4) drilled, 18 in.
The date of commencement and drawal of groundwater. (1) 40. The depth of water table (1) 40. So far as it may be available, works for the withdrawal of groundwater, (2) 11. deep (2) 11. deep (3) 11. deep (4) 11. deep (5) 11. deep (6) 11. deep (7) 12. deep (7) 13. deep (7) 14. deep (7) 15. deep (7) 15. deep (7) 16.	tion of each well or other means of withdrawal (1) motor (2,3,4) motor, d completion of the construction of the well, wells, or other works for with (3); (2) 1927, (3) 1925; (4) 1930 oft. (2,3,) 50 ft. (4) 30 ft. the type, size and depth of each well or the general specifications of any othe undwater (1) drilled, 4 in. casing, 80 ft. deep; (2) drilled, 18 in. (3) drilled, 16 casing; 60 ft. deep. (4) drilled, 18 in. dwater withdrawn each year (1) 200,000 gal. (2,3,4) none at present of the drilling of each well if available. Not available, milar nature as may be useful in carrying out the policy of this act, including county record. io. Other information available.
. The date of commencement and drawal of groundwater. 11. 12. . The depth of water table (1) 40. . So far as it may be available, works for the withdrawal of groundwater in casing, 90 it. deep. . The estimated amount of grounds. The log of formations encounter in the log of formations of a significant of the significant of t	tion of each well or other means of withdrawal (1) motor (2,3,4) motor, d completion of the construction of the well, wells, or other works for with (3); (2) 1927, (3) 1925; (4) 1930 oft. (2,3,) 50 ft. (4) 30 ft. the type, size and depth of each well or the general specifications of any othe undwater (1) drilled, 4 in. casing, 80 ft. deep; (2) drilled, 18 in. (3) drilled, 16 casing; 60 ft. deep. (4) drilled, 18 in. dwater withdrawn each year (1) 200,000 gal. (2,3,4) none at present of the drilling of each well if available. Not available, milar nature as may be useful in carrying out the policy of this act, including county record. io. Other information available.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

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n **dang**a da Sara a Canada F_e da STATE OF MONTANA County of Dawson Filed for record this 30 th day of

Filed for record this 30 day of 200 and 200 A. D. 19.63, at 3:00 p'clock M.

County Clerk and Recorder.

____ Deputy. Ву...

Fre Pd. #2 00

Form No. 18 8-60 114 R. 51_ County Dawson MONTANA BUREAU OF MINES AND GEOLOGY DECENVE DEC 29 1961 STATE ENGINEER 10:30 A.M. WATER WELL LOG OwnerConrad Hess and Joseph J Hess Address Clendive Montana Driller Harold Gavin Address Lindsay Montana Date Started_Oct.1 1961 ____ Date Completed Oct. 17 1961 Location: Sec. 2 T. $11 ext{R}$, $51 ext{1}{4} ext{sec}$. N.W. drilled Type of well Equipment used (Churn, drill, rotar/, other) Water use: Domestic | Municipal Stock I Irrigation Drainage 📋 Industrial [Other___ Size h inch Casing: 0 ft. to 105 ft. Type steel _____Size___ Casing: ft. to ft. Type Sti See Casing: ft. to ft. Type _ Perforated or Screened: Ft. 65 to ft. 105 . Ft. to ft. Type of screen or perforations slcts cut in casing -Static Water level, for non-flowing well: 15 feet. Shut-in pressure, for flowing well: _____lb./sq. in. on._ __feet at____gal. per min.___ Pumping water level 80 How tested: slush bucket Length of test one hour Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)

Depth, feet From To		December of Material Deillard
From	To	Description of Material Drilled
0	20	topcoil and light clay
20	65	hard cl ay
65	1.05	send with thin layers of clay
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GW.	Approved Stock Form-State Publishing Co., Helena, Montana-41338
File No	T 14 R 51
DUPLICATE	A second to the second
DOFINOATE	County Bawson
ADMI	NISTRATOR OF GROUNDWATER CODE
	OFFICE OF STATE ENGINEER DECENTE
Declaratio	n of Vested Groundwater Rights DE8 11 1958
(Unde	r Chapter 237, Montana Session Laws, 1961) STATE ENGINEER
1 52 Rench, Inc. (Name of Appropriate	pr) (Address) (Town)
County of Dawson	State of Montana
have appropriated groundwater a	ecording to the Montana laws in effect prior to January 1, 1962, as follows:
N	
©	2. The beneficial use on which the claim is basedStocks
	3. Date or approximate date of earliest beneficial use; and how con-
	tinuous the use has been July 20, 1956.
"	Ε
	4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 gallons per minute
	-
s	 If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
NW 1/ Con Frm 1:4D F1	
N. N. 1/4 Sec 7 T. 1.4 R51 Indicate point of appropriation	
and place of use, if possible.	6. The means of withdrawing such water from the ground and the
Each small square represents 10 acres.	location of each well or other means of withdrawal
	completion of the construction of the well, wells, or other works for with-
8. The depth of water table	1// 40 ft.
9. So far as it may be available, the works for the withdrawal of gro	ne type, size and depth of each well or the general specifications of any other undwater

10. The estimated amount of ground	dwater withdrawn each year 60 feet at 5 gallon per ain.
11. The log of formations encounter	ed in the drilling of each well if available
	ilar nature as may be useful in carrying out the policy of this act, including many county record
	52 Ranch Inc 52 Ranch Inc Signature of Owner John Luni Date Becauser 5th 1963
	Date Denneu L. G. 1963
Three copies to be filed by the own located.	er with the County Clerk and Recorder of the county in which the well is
Please answer all questions. If not a	applicable, so state, otherwise the form will be returned.
	Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau
of Mines and Geology, and Quadrup	

TIME EMPOREER STATE OF MONTANA County of Dawson

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Filed for record this 6 day of December A. D. 1963 at 4.00 o'clock PM

Hordan County Clerk and Recorder:

Lee pd \$2.00

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DEC 29 1961	MONTA	NA BUREAU	J OF MIN tte, Monta		GEOLO	GY LIAN 4	1002
11:00 A.M	1.	Би	ece, monen	1125		STATE EN	GINEER
		WAT	er weli	LOG		JIAIL LI	4 ,,,,,,
1						ma? I mm	Montane
	Owner	John N .			Addre	ess	
-		ira C. Bo	nd			Terry,	Hontona
	Driller	21-170	••••••		Addre		3/00
1 1 1 1	Date Starte	6/5/6 0 a			Date	√/ Completed	
 							
		ec T	4	R2(1/4 sec	SETATA	<i>SF !-</i>
	orilled				0.4316	8	
Type of well	(Dug, driven, k	ored, or drilled)	Equip	ment used.		Churn drill, rotary, oti	her)
					[- 		
Water use: Domestic	<u></u>	Municipal	11	Stoci	k L	Irrigation	11
Industrial	П	Drainage	П	Other:		<u> </u>	
Surf.co		:24		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
Casing:	ft. to	ft.	Type	****************	Siz	9	*************
Casing:	ft. to	ft.	Туре	•••••••	Siz	e	***************************************
Casino	ft. to	ft.	Tyne		Siz	Α	
Casing:		20 4	ි 20		98	104	
Perforated or Screened		to ft Ourned hold		Ft	*************	to ft	***************************************
Type of screen or perfor	rations	***************************************					
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•							
Shut-in pressure, for fl	owing well:			lb./sq. in. on 7	1:	(date)	******************
Dumming weter level		fee	t at	•		• •	
Pumping water level							
How tested:		2 5005	8		•		
Length of test				•••••			
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nemarks: (Gravei Pat	came, cemen	unig, pacaeis,	oype or sir	au-orr, ach	var Or SHU	o- ozzj	
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(over)

DEC 29 1981 MONTANA BUREAU OF MINES AND GEOLOGY JAN 4 1962 WATER WELL LOG STATE ENGINEER John N. 1868 Address Terry, Montana Driller John N. 1868 Address Terry, Montana Driller John N. 1868 Address Terry, Montana Driller Coble Terry, Montana Trype of well Dug driven, bered, or drilled Coble Type of well Drainage Other: Sturf Cob Size Trigation Dural Size Trigation Drainage Other: Size The Casing: ft to ft Type Size Casing: ft to ft Type Size Casing: ft to ft Type Size Type of screen or perforations. Water Ievel, for non-flowing well: Shut-in pressure, for flowing well: 1b/sq. in. on: Shut-in pressure, for flowing well: 1b/sq. in. on: 210 Pumping water level All Tod How tested: 2 DSUF8 Length of test. Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)			章・ 会 性を必ず	T	14 R 31	
Butte, Montains WATER WELL LOG John W. Keeß Address Ira G. 300d Date Started Driller. S/5/50 Date Started Driller. Drilland Cogolie Type of well Drainage Other: State Casing: ft to ft Type. Size Casing: ft Type. Size Casing: ft Type. Size Casing: ft Type. Size Casing: ft Type. Size Cas		and the second seco	ng garaga na manggang na m Manggang na manggang na ma	County	DECEIV	
Butte, Mentana WATER WELL LOG WATER WELL LOG Sohn % . Rees Address Feltion, Montana Owner fra G. Bond Terry, Montana Driller. Address 5/5/50 Date Started. Date Completed. Date Started. Date Completed. Could drive, bred, or drilled) Cound drill, retary, other) Water use: Domestic Municipal Stock Inrigation Municipal Stock Inrigation Casing: ft. to. Industrial Drainage Other: Size. Casing: ft. to. ft. Type. Size. Type of screen or perforations Static Water level, for non-flowing well: Discovery for flowing well: Shut-in pressure, for flowing well: 10./sq. in. on: 210 Pumping water level. 21 isolated How tested: 2 isolated Length of test. Remarks: (Gravel packing, comenting, packers, type of shut-off, depth of shut-off)	DE0 9.0 4004	MONTAN	IA BUREAU OF MI	NES AND CEOU	OCMI 1AN 4 196	رلااز
WATER WELL LOC John % . Rees Fellion, Montains Owner. Ire C. Bond Terry, Montains Driller. Address Fellion, Montains Terry, Montains Address Terry, Montains Address J/3/50 Date Started. Date Completed Location: Sec. T. / 4 R. 7 / 4 sec. S. 7 / 3/50 Date Started. Date Completed Combinet Completed Type of well. Chum drill, retary, other) Water use: Domestic Municipal Stock Trijacion Chum drill, retary, other) Water use: Domestic Municipal Stock Trijacion Chum drill, retary, other) Water use: Domestic Municipal Stock Trijacion Chum drill, retary, other) Water use: Domestic Municipal Stock Trijacion Chum drill, retary, other) Water use: Domestic Municipal Stock Trijacion Chum drill, retary, other) Casing: Other: Stock Trijacion Chum drill, retary, other) Casing: ft. to. ft. Type Steel Casing: ft. to.						UEED
Owner Ira C. Bond Terry, Montage Driller	11.00	The state of the s	WATER WEL	L LOG	STATE ENGIN	VEEN
Driller. 5/5/50 Date Started Location: Sec. T. (4 R.5 / sec. S. J. 195 /	# 0			Δ.		mitana
Date Started. Date Completed. 11 Location: See. Drilled Type of well. Dug, driven, bored, or drilled) Date Stock Type of well. Dug, driven, bored, or drilled) Drainage Drainage Other: Stock Trigation Industrial Drainage Other: Size Casing: ft. to. ft. Type Size Casing: ft. to. Type Size Casing: ft. to. Type Size Date Completed. Conble Trigation Drainage Other: Size Casing: ft. to. ft. Type Size Date Completed. Trigation Drainage Other: Size Casing: ft. to. Type Size Date Completed. Irrigation Date Completed. Irrigation Date Completed. Irrigation Date Completed. Irrigation Date Completed. Stock Ft. Irrigation Date Completed. Irrigation Irr		i	the state of the s			nsena
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Industrial Drainage Other: Surface 1t. to 1t. Type Size Casing: ft. to ft. Type Size 204 220 93 104 Perforated or Screened: Ft. to ft. Ft. to ft. Surned holes Type of screen or perforations Water Falses to 0 104 feet Shut-in pressure, for flowing well: feet Shut-in pressure, for flowing well: feet at gal. per min. How tested: 2 100 feet at gal. per min. How tested: 2 100 feet at gal. per min.	rigeri Colonia de escapación de colonia de colonia	(Dug, driven, bore	ea, or armea)	I - X	(Chum drill, rotary, other)	- · · ·
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Casing: ft to ft Type Size 204 220 93 104 Perforated or Screened: Ft to ft Ft to ft Surned holes Type of screen or perforations. Water rulses to 0 104 feet Static Water level, for non-flowing well: feet Shut-in pressure, for flowing well: lb./sq. in. on: 210 7 (date) Pumping water level feet at gal per min How tested: 2 100478 Length of test Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)	Toductula	, 🗇	Drainege	Other	a comme	
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Casing:ft_ toft _ Type Size	Casing:	ft. to	ft. Type		3ize	
Perforated or Screened: Ft	Casing:	ft. to	ft. Type		Size	***************************************
Perforated or Screened: Ft	Casing:				3ize	
Type of screen or perforations Water raises to 0 104 feet Static Water level, for non-flowing well: Shut-in pressure, for flowing well: 210 7 (date) Pumping water level. How tested: 2 100000000000000000000000000000000000	Perforated or Screen					********
Static Water level, for non-flowing well: Shut-in pressure, for flowing well: 210 Pumping water level. 211:5d How tested: 2 indure Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)	to the second second second	At :	rned holes			
Shut-in pressure, for flowing well: 210 Pumping water level. 211.sd feet at gal. per min. How tested: 2 incurs Length of test. Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)	-		weter raise	ee to o 104	fect	
Pumping water level gal. per min. How tested: 2 indure Length of test. Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)	Static Water level, for	r non-flowing wel	1:	***************************************		feet
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How tested: 2 in our 8 Length of test	Dumning water level		feet of	. f	\	
Length of test						
Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)	How tested:		2 noure	•••••••		
	Length of test			***************************************		••••••
	Remarks: (Gravel p	acking, cementin	ng, packers, type of s	hut-off, depth of s	hut-off)	
	-					
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		DOE OF MACH
Depth	ı, feet	
From	To	Description of Material Drilled
	}	27
94 50	台	yellow sandy clay brown sandy clay
- śċ	70	reend stane
70	82	blue clay
70 82	98_	gumbo
98	104	coal 3 gal perminute
104	138	blue clay
138	142	coal
142	1.61	blue clay
161	105	1:->ck.
165	204	gumbo
- 204	1 223	water ound 7 gal per minute
550	224	gumbo
		
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Depth		Description of Material Drilled
From	То	
94 60 70 82	80	yellow sandy clay brown sandy clay
60	-70	sand scone
70	62 8	blue clay
98	104	coal 3 gal permanute
98 104	138	blue clay
138 142	142 161	coal blue clay
161	165	rock
165	204	· ·
204 220	220 224	gumbo gumbo
	- Company of the Comp	
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GROUNDWATER INDEX

Page ____of____

County Danson Twp. 141 Rge. 52 E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
	Mallet Omald	57W001 Pag		
12	mattet	5-74 Jell Page		
3	may to the ald	14.14 f	286591+	
1	Framal Karl	11,13	701590	
1	Konia Judina	1/1/2	29/224	
1/4	Koning Peter	57 Well Las		
7.	Konia Pete	5-74/201300]	
1/2	Konia Ludwia	5-74/01/ Late	,,	
6	Konia Luding	12w2 0	317655	
17	Dong Pohan	400	302800	
9	Lamall' Karl	HW 2	284854	
12	Hess Lim	442	89988	
115	Komia anton	HW3	286865	
44	mollett, (Donaldy)	HW4	286594	
1/5	Konin Jones	Sty Jul Long		
18	11,7017	HW2	286690	
35	Psk Carl "Bud"	524 Joll #	77	
3-1-7				
				<u> </u>
		- 1		

35.55

Form No. 18 8-60

T. 14	R	52
County	DAWSON	

MONTANA BUREAU OF MINES AND GEOLOGY Butte, Montana

WATER WELL LOG

				* 4	
x	Owner	Donald Mo	ffett	Address MXXX	Fallon, Montan
	Driller Adl	cison Water	Well Drlg.	Address Gleno	live, Montana
	Date Starte	ed 8-11-60		Date Complete	ed <u>8-12-60</u>
	Location:	Sec. 2 I	. <u>lli</u> R.	52 ½ sec.	NET of NET
Type of well	Drilled	or drilled)	quipment us	sed Rotar	Ty 11, rotar/, other)
Water use: Do	-				
Indu	strial 🗌	Drainage	Other	•	
Casing: 0	ft. to 100	ft.	Type Hvy. I	SlkSize_	4 3 "
Casing:	_ft. to	ft.	Туре	Size	
Casing:	_ft. to	ft.	Туре	Size	
Perforated or S	creened: Ft.	. <u>87</u> to i	t. 100 .	Ftto	ft
Type of screen	or perforation	ons Torch s	lots	· 	
Static Water le					
Shut-in pressur	e, for flowing	ng well:	1b	./sq. in. on:_	(dute)
Pumping water	evel60'	feet	at20	gal. per	min
How tested:	Bailed				
Length of test	2 hours				
Remarks: (Grass	vel packing, nut-off)	cementing,	packers, ty	pe of shut-off	, depth of
<u>G</u>	ravel packed	around casi	ng		
					
		(ove	r)		

Log of Well

Depth, feet From To	Description of Material Drilled
0 2 San	dy soil
	low clay
	e brown sand
	en clay
	y and coal stks.
	l and clay stks.
	y and coal stks.

,	
MONTANA BUREAU OFMINES AND GEOLIGY DECEMBER OF MONTANA BUREAU OFMINES AND GEOLIGY	VED)
WATER WELL LOG STATE ENG	INEER
Owner Date Date Date Date Completed Date Completed Date Completed Date Completed Date Completed Churn drill, rotary, other) Water use: Domestic Municipal Stock Irrigation Drainage Other: Casing:	1
Type of screen or perforations	
Static Water level, for non-flowing well:	feet.
Shut-in pressure, for flowing well: lb./sq. in. on: (date) Pumping water level feet at gal. per min.	
How tested:	
Length of test	
Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)	*******************
Lyuddyd y dad i'r ard dae'r y	
(over)	•••••••••••••••••••••••••••••••••••••••

Depth, feet		Description of Material Drilled					
From	То	Description of Material Drined					
0	2	Sandy Soil					
2	44	yellow Clay					
44	50	Fine brown sand					
50	70	Green Clary					
70	18	Clay & Coal stks. Coal & Clay stks. Clay & Coal stks.					
78	88	Coal & Clay sel.					
88	100	Clant Coal stfs.					
	T						
							

γ 🦳	Approved Stock Form—State Publishing Co., Helena, Montana—41921
'ile N	Vo
UPI	ICATE County Davison
	STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER JAN 14 1964
	Declaration of Vested Groundwater Rights (Under Chapter 237, Montana Session Laws, 1961)
1. Co	(Name of Appropriator) (Name of Appropriator) (Address) (Town) unty of Daw San State of Montana and in effect prior to January 1, 1962, as follows:
hav	
	2. The beneficial use on which the claim is based Water For Live Stock USE
 	3. Date or approximate date of earliest beneficial use; and how continuous the use has been Angast Joth ALO BAL. 13. Deteror approximate date of earliest beneficial use; and how continuous the use has been Angast Joth ALO BAL. 13. Deteror approximate date of earliest beneficial use; and how continuous the use has been Angast Joth Alo Ball. 14. Deteror approximate date of earliest beneficial use; and how continuous the use has been Angast Joth Alo Ball. 15. Deteror approximate date of earliest beneficial use; and how continuous the use has been Angast Joth Alo Ball. 16. Deteror approximate date of earliest beneficial use; and how continuous the use has been Angast Joth Alo Ball. 16. Deteror approximate date of earliest beneficial use; and how continuous the use has been Angast Joth Alo Ball. 16. Deteror approximate date of earliest beneficial use; and how continuous the use has been Angast Joth Alo Ball. 16. Deteror approximate date of earliest beneficial use; and how continuous the use has been Angast Joth Alo Ball. 16. Deteror approximate date of earliest beneficial use; and how continuous the use has been Angast Joth Alo Ball. 16. Deteror approximate date of earliest beneficial use; and how continuous the use has been Angast Joth Alo Ball. 16. Deteror approximate date of earliest beneficial use; and how continuous the use has been Angast Joth Alo Ball. 16. Deteror approximate date of earliest beneficial use; and how continuous the use has been Angast Joth Alo Ball. 16. Deteror approximate date of earliest beneficial use; and how continuous the use has been Angast Joth Alo Ball. 16. Deteror approximate date of earliest beneficial use; and how continuous the use has been Angast Joth Alo Ball. 16. Deteror approximate date of earliest beneficial use; and how continuous the use has been Angast Joth Alo Ball. 16. Deteror approximate date of earliest beneficial use; and how continuous the use has been Angast Joth Alo Ball. 16. Deteror approximate date of earliest beneficial use and how continuous th
	4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 9 100 5 Per Minute
L N E-	5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof WAT USE & FOR ALLINGSTON
Indicand	acte point of appropriation place of use, if possible. Each is square represents 10 acres. 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Water. Is to make the control of the means of withdrawal water.
7.	The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Aug x 5 t. 1 May Complete Compl
	The depth of water table 40 At to water tably
9.	So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater, the well of Action Well 100 Fig. 1. Action Steel Casing.
10.	The estimated amount of groundwater withdrawn each year 25,000 gollon S
	The log of formations encountered in the drilling of each well if available
	A V. 1.1. 3 b. 1.4
	Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.
	Signature of Owner Date 12-27-63
	Date 12-77-63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

STATE OF MONTANA County of Dawson

30 28 CT

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A Property of the same

Filed for record this Z/ A day of

Percently A. D. 1963, no

Joseph Wordself
County Clerk and Recorder.

By_____Deputy.

3# 3			
File No			
DUPLICATE			

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approved Stock Form-State Publishing Co., Helena, Montana-42262	3	-
AST STORY		1000
T 14 R 5V	************	
Λ		4.1
County Dowson		

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

DECEIVED
JAN 1 4 1964

Notice of Completion of Groundwater Appropriation Without Well STATE ENGINEER

(Under Chapter 237 Montana Session Laws, 1961)

C C	3 4 2 3 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	E	Date of Appropriation of Groundwater
ar	ad place of use, if hassille. 34-15-52		DEC 2.7.196

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

STATE OF MONTANA County of Dawson Filed for record this 37 th day of December A. D. 1963, at 4:000 clock P.M.

Henden W. Clerk and Recorder.

___Deputy. Ву.

DOMNU STATE OF THE	3W 2		Approved Stock Form-	-State Publishing Co., Helen	a, Montana-42329
Top of Ground Gilev. above sea level Cilev. above se	File No	STATE WATER CONSERVATION B	OARD:	T 14-11 I	SR-E
Top of Ground (Elev. above sea level Description of Groundwater Appropriation by Means of Well Description of Groundwater Appropriation by Means of Well Description of Groundwater Appropriation by Means of Well Description of Groundwater Appropriation of Groundwater Appropriation of Groundwater Appropriation of Groundwater Appropriation of Groundwater Description Address Description Address Description Address Description	DUPLICATE	Jun 2 % 1966		County Da	usen_
Calley above sea level Development of Stoundwater Appropriation by Means of Well		Constitution Marketon	NISTRATOR O	F GROUNDWATE	
DEVEROPED APPER JANUARY 1, 1982 (Inder Chapter 237, Montana Session Laws, 1961) Owner States Manage Address M	(Elev. above sea level	Notice		_	
Owner satisfactors 2843 & collect 3845 on State Drillers decan tenter the thomas. Address to be shaded. Date of Notice of appropriation of groundwater. Date of Notice of appropriation of groundwater. Type of well	D-5 Siley poil				
Owner Indicates the County Address in the County in which the well started. Owner Indicates the County of State County Clerk and Recorder in the county in which the County Clerk and Recorder in the county in which the water of acres and location or other data (fac. Lot, Block and Address). Owner Indicate to the County Clerk and Recorder in the county in which the water should be proposed for irrigation, industrial, drainage or other. Explain, as number of acres and location or other data (fac. Lot, Block and Address). Owner Indicates Indicate Indicates Indicates Indicates Indicated Indicates Indicated Indicates Indicated Indicates Indicated Indicates Indicated Indicates Indicated Indi	2-16 Brailes	 - 7 /		Iontana Session La	ws, 1961)
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Date of Notice of appropriation of groundwater. Date well started. Date well started.	2943 to wo class	Driller adlisan	resoten uce	11 Agess Se	a diste
Type of well.	5255 Died to 15			•	
Water use: Domestic Municipal Stock Irrigation Industrial Drainage Other Industrial Other Industrial Drainage Other Industrial I	366 greg Class	Date well started	6-13	Late completed	6-13-66
Water use: Domestic Municipal Stock Trrigation Indicate on the diagram the character and thickness of the different stra met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Sha depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well. Static Water Level Free Free	-				
Indicate on the diagram the character and thickness of the different stra met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Sho depth at which water is encountered, thickness and character of water-bearing stratus and height to which the water rises in the well. Size of Static Water Level for non-flowing well bloke	- 	Water use: Do	mestic 🗌 Mun	icipal 🗌 Stoc	k 🖳 Trrigation 🗆
depth at which water is encountered, thickness and character of water-bearistrata and height to which the water rises in the well. Size of Doubled Weight From Orea, Fr	_	Indicate on the	diagram the cha	racter and thicknes	s of the different stra
Static Water Level for non-flowing w Static Water Level for non-flowing w Static Water Leve	-	depth at which wat	er is encountered	l, thickness and cha	
Static Water Level for non-flowing we for Shut-in Pressure for Flowing Well. Pumping Water Level. 37. Indicate location of well and place of use, if possible. Each small square represents 40 annumber of acres and location or other data (i.e.: Lot, Block and Adtion). This form to be prepared by driller, and three copies to be filled by the owner with the County Clark and Recorder in the county in which the well is located, tissue copy to be Driller's License Number		Size of Size	and From	То	DEDENDATIONS
Static Water Level for non-flowing well. Pumping Water Level. 37 f. at		Hole of C	asing	771-4	Prom To
Shut-in Pressure for Flowing Well. Pumping Water Level. 37 f at 15 gal. per minute. Discharge in gal. per min. of flowing w How Tested Length of Test. Remarks: (Gravel packing, cementing, pa ers, type of shutoff) Indicate location of well and place of use, if possible. Each small square represents 40 anrea. (Continue on reverse si number of acres and location or other data (i.e.: Lot, Block and Action). Show exact depth of bottom. This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be	-	6/4" (5)	K14"	The same	12. 17
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County Clerk and Recorder in the county in which the well is located, tissue copy to be Driller's License Number	NUM CERON Gehat Of	200,000,000,000,000,000,000,000,000	***************************************		*************************************
County Clerk and Recorder in wife country in which are well is recased, made copy to be				Driller's Licens	e Number
		county in which the Well is located, tis	sue copy to be	A Lines of Lines as	AB.

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STATE OF MONTANA
County of Dawson
Find for record this. 27 day of

10:00 o'clock a. My
Lathan W. Recorder
By aller authypoputa

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Form No. 18 8-60 T. ll R.__52 Dawson County_ MONTANA BUREAU OF MINES AND GEOLOGY DO SET VE DEC 29 1961 10:30 A.M. WATER WELL LOG STATE ENGINEER Owner Peter Konig AddressGlendive Montana Driller Marold Gavin Address Lindsay Montana Date Started July 21 1961 Date Completed July 21 1961 Location: Sec. $\underline{5}$ T. $\underline{1h}$ R. $\underline{52}$ $\frac{1}{4}$ sec. $\underline{N.W.}$ Equipment used churn (Churn, orill, rotary, other) Type of well drilled (Dug, driven, bored, or drilled) Domestic Municipal Stock 🔣 Irrigation [Water use: Industrial [Drainage 🗌 Other Type steel Size h inch Casing: 0 ft. to 35 ft. Casing: ___ft. to ___ft. Type____Size__ Type____Size___ Casing: ____ft. to ____ft. Perforated or Screened: Ft. 23 to ft. 35. Ft. to ft. Type of screen or perforations slots cut in casing Static Water level, for non-flowing well: 18 Shut-in pressure, for flowing well: _____lb./sq. in. on:_____(dute) Pumping water level 27 feet at gal. per min. How tested: _slush bucket Length of test_ One hour Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of

(over)

Depth, From	feet	
From	То	Description of Material Drilled
0	16	clay
16	35	ravel
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T / R 52
County R auron

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY Butte, Montana

WATER WELL LOG								
Owner								
Casing:ft. toft. TypeSize								
Perforated or Screened: Ft. 23 to ft. 35 Ft. to ft.								
Type of screen or perforations slots cut in casing								
Static Water level, for non-flowing well: 20 feet.								
Shut-in pressure, for flowing well:lb./sq. in. on:								
Pumping water level 25 feet at 2 gal. per min								
Length of test One hour								
Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)								
و (over)								

Log of Well							
Depth, feet							
Depi	1, 1000	Description of Material Drilled					
From	То						
	1						
0	15	clay					
		and the second s					
سر ر	35	gravel					
15	133	ararel					
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Form No. 18 8-60 T. 14 Dawson County MONTANA BUREAU OF MINES AND GEOLOGY Butte, Montana nfc 29 1961 WATER WELL LOG 10:30 A.M. Address Glordine Months Owner Ludwig Konig Driller Harold Gavin Address Lindsay Hontana Date Started Dec.18 1961 Date Completed Dec.22 1961 Location: Sec. 6 T. $1\frac{1}{4}$ R. 52 $\frac{1}{4}$ sec. S.E. drilled Equipment used churn (Churn, drill, rotar/, other) Type of well Water use: Domestic | Municipal Stock 🕱 Irrigation 🗌 Industrial [Drainage 🔲 Other___ Casing: 0 ft. to 31 ft. Type_stoel Size 4 inch Casing: ft. to ft. Туре Size Type____Size__ Casing:____ft. to____ft. Perforated or Screened: Ft. 22 to ft. 31 . Ft. to ft. Type of screen or perforations slots cut in casing Static Water level, for non-flowing well: 15 feet. Shut-in pressure, for flowing well: ____lb./sq. in. on:___ feet at_ 6 __gal. per min._ Pumping water level slush bucket How tested: one hour Length of test Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)

-1

Depth, fect From To		Description of Material Drilled
110111	***	Description of Material Dillion
0	Ţ	topsoil and clay
lş	25	gravel
25	<u>;1</u>	coerse sand with a little gravel mixed in
		
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······································		

TMN-R.52E

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE

APPROPRIATION BY MEANS OF WELL

KOV 2.7 1972.

DRILLER'S LOG

MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER'S AND COMPLETION OF depth at which water is found and height to which water rises in well.

Developed after January 1, 1962									
(Under Chapter 237 Montana Session Laws, 1961, as amended) Top of Ground (Elev. above sea level)									
This form to be prepared by driller, a by the owner with the County Clerk at	From (Feet)	To (Feet)							
which the well is located, last copy to	2	2							
Please answer all questions. If not appliform may be returned.	5	34	Alan.						
10 . 1/ .		34	56	sand					
Owner Tulling Tames	新.	24	Clay o						
Cleration	File 3/2655	K4	97	sava					
Address									
pant.	Mor. 24, 1992 9:05 am		 						
Date well started 11-18-72	GW 1		 	الله الله الله الله الله الله الله الله					
completed / 1-23-72									
Type of well Stalled	Dug, driven, bored or drilled)		<u> </u>						
Equipment used / Collary	(Churn drill, rotary or other)								
Water Use: Domestic Municipal	· ·								
Industrial Drainage C	Other □* Garden/Lawn □								
	osidon, com 🗆		+						
*Describe									
USE: If used for irrigation, industrial, state number of acres and location	or other data (i.e. Lot, Block								
and Addition)		ļ	+						

ESTIMATED ANNUAL WITHDRAWAL		_	· 						
Size of Size and From To Drilled Weight (Feet) (Feet) Hole of Casing	PERFORATIONS								
11/1 4/2	Kind From To Size (Feet) (Feet)								
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ahano 85	Susta 63								
(3.4.				 					
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1 1	1 1								
N		=							
	atic water levelft	.*	+						
Pt	mping water levelft	.*							
	easured minutes after pumpir	e,	+						
b	egan.								
W *	Measured from ground level.								
Y fo	orhours.	²	+	 					
P.	1P		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\						
	g,								
s p	ackers type of shutoff		+	+					
5W 14NE 14 Sec. 6									
T									
S W INDICATE LOCATION OF WELL AND									
EACH SMALL SQUARE REPRESENTS 40									
Driller's Signature									
Driller's Address	<u> </u>	ا ا							
Glendere	LICENSE NO 223		17	Show exact depth of botton					

STATE OF MONTANA
County of Dawson
Filed for record this 34th

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Modeling Section Commencer Co.

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A CONTRACT OF SECURITY OF PARTY OF SECURITY OF SECURIT

GW 2	. • . •			Арргоус	d Stock Form-	-State Publishi	ng Co., Helena, N	Iontana-4193	
File No	************************	AMA WATER RECOU	- ca B(PAC	ATE	T.	<i>V#</i> R	52	
DUPLICA	ATE	itels resol	RCE S	· •	ATA Services	- C	ounty	rura	572
	o de	ANAMAIL	-00	ADWINIST		OF MONT	ana Dwater	CODE	
·	Top of Ground	1	1000	OF.		STATE E		CODE	
- de	(Elev. above sea lev	el	1	Votice of (Comple	etion o	f Grou	ndwat	er
1 3				Approp					
_ 2		Nor	thern	(Under Cha	pter 237,	Montana S	ession Laws Land 0		
-36-			Owner,	DASA THAY	ØX.	Addres	Linitas	Allon	Corre
- 2	•	J	Driller,	Harold J.	asrist	Addres	Lindsol	Mori	ana
7]	Date of	Notice of Approp					
30		Ţ	Date we	all started	l30-6	Date C	ompleted.	ay3-	1968
- 			Type of	well Luil	led		ent Used	Ichu	rn/
-			(dug, d	iriven, bored or i)		(Churr other)	, drill, rotary	or	
		,	Water 1	Use: Domestic		nicipal 🔲	Other [rigation 🔲
<u> </u>				Industrial	_	ainage 🗌	Stock 2	_	
-				dicate on the di net with in drilli					
-6				epth at which wa strata and heigh		* .			r of water-
28		-	_			,			
	•	Size Drii Ho	lled	Size and Weight of Casing	From (Feet)	To (Feet)	Kind	From	i To
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- 1		/		ille par fi.	•		incusing	90	130
							76 × 40	,	
-						<u></u>	<u> </u>		
-	N		St:	atic Water Level	for non-fl	owing Well	60		feet.
-		X	ļ	ut-in Pressure f			,		
			Pu	ımping Water Le	vel / 4	fe	et at	gal.	per minute.
-			ł .	ischarge in gal. p	1 1	i L			Λ
-	w		E H	ow Tested	ish bu	Leng	th of Test.	THE A	rowr
			Re	emarks: (Gravel					
			À	other s	piace of t imilar pe	ise of grou rtinent inf	nuwater if ormation, i	not at we ncluding	ell, and any number of
120]	acres ir	rigated, if	used for i	rigation)	***********	·
Para	121/2 Sec. 7		•	.,	************			,	
1	place of use, i	on of well and f possible. Each	ı	************	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
		presents 10 acres							
130	Show exact depth	of bottom.					85		
•						Drille	r's License	Number	*************
						11	<i>n</i>	11	~
						91	rold r's Signatur	Gar	vin

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

44,121

Northin Pacific R. R.C.

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the Public

States Rights

STATE OF MONTANA
County of Dawson
Filed for record this 10 day of

May A D. 19 (68 at

3. 45 octock
M.

Hadon W. Russel

County Clerk & Fecorder

fre pd. \$2. 10.

		Approved	Stock Form—	T.	14N	Montana—3849	2 =
ATE Top of Ground		ADMINIS: OF	RATOR (OF MONT	ANA D)	CODE	50 8 S T H I
(Elev. above sea level)						BINEER
						Y X	
	. 1					11 2 1 July 1	mit
							nonton
					· · ·		
	Date we	ll started aug	27-62	Date Co	mpleted	rug 2	8-63
	(dug, d	iriven, bored or	e-d	(Churn	, drill, rotar:		1
	Water 1		_				rigation 🔲
	strata n Show de	net with in drill epth at which w	ng, such a ater is enc	s soil, clay, ountered, t	shale, grav hickness and	vel, rock o d character	r sand, etc.
· -	Size of	Sir and	From	To	l P	ERFORATION	
	Hole	Casing		(Feet)	Kind Size	From (Feet)	To (Feet)
	5 unch	inacido de	0	251	slati cut in	15'	25'
		10.88160			easing		
		per f.			877	ļ !	
== N	St	atic Water Level	for non-fl	owing Well		<u>ــــــــــــــــــــــــــــــــــــ</u>	feet.
	Pı	ımping Water L	vel	6 fe	et a t	gal.	per minute.
w	H H	ow Tested	ush	meditions	th of Test	15	hrs.
	R	emarks: (Grave	packing,	cementing	, packers, t	type of sh	utoff, loca-
***************************************		other	place of u similar pe	ise of grou rtinent inf	formation,	including	n, and any number of
***************************************		other	similar pe	rtinent inf	ormation,	including	number of
S.E.14 See. 7 1.19. Indicate location of well		other	similar pe	rtinent inf	ormation,	including	number of
Indicate location of well place of use, if possible.	l and Each	other	similar pe	rtinent inf	ormation,	including	number of
Indicate location of well place of use, if possible, small square represents 10	l and Each acres.	other	similar pe	rtinent inf	ormation,	including	number of
Indicate location of well place of use, if possible.	l and Each acres.	other	similar pe	used for in	ormation,	including	number of
	(Elev. above sea level	Top of Ground (Elev. above sea level	Top of Ground (Elev. above sea level	Top of Ground (Elev. above sea level) Notice of Comple Appropriation (Under Chapter 237, Owner Apropriation (Under Chapter 237, Owner Apropriation (Under Chapter 237, Owner Apropriation of Date of Notice of Appropriation of Date well started and 2 plant (dug, driven, bored or drilled) Water Use: Domestic Mu Industrial Dr Indicate on the diagram the strata met with in drilling, such a Show depth at which water is ence bearing strata and height to which Hole Casing Size and From Drilled Wagnet (Greet) Hole Casing Size and From Probled Hole Casing Discharge in gal. per min. of	Top of Ground Top of Ground (Elev. above sea level	Top of Ground (Elev. above sea level	STATE OF MONTANA D) ECEL ADMINISTRATOR OF GROUNDWATER CODE Top of Ground (Elev. above sea level

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

STATE OF MONTANA

County of Dawson

Filed for record this ALD. 1943 att

13:15 o'clock 8.M.

is the following of the contract that $\epsilon = \frac{1}{2} \left(\frac{1}{2} \left($

Thurs he should be not so there is denoted by the problem of the p

estimation and description and between these or Etz. don (1. 1. 1. 2.) Medicata Rossign of very ma

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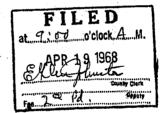
rdon W. Kusel
County Clerk and Recorder.

Que Quetligeputs.

GW 2		TER RESOURCES	BOARI Approved	Stock Form	—State Publishi	ing Co., Helena,	Montana-456	
File No	ONTANA WA	CEIVE)		T	14 R	52	
DUPLICATE	HE	PR 22 1223				nty. Pre	irie	
	Log	1/1/1000	ADMINISTR			A LE VI		
Top	of Ground		OFF				******	
	. above sea level		ice of C	u	AS FI	LEO I	" » O « »	_
135 145 152	- 70 Gray Sandst - 75 Gray shale - 80 Coal & Blk 83 Gray shale - 84 Rock - 86 Coal - 125 Gray Shale - 130 Coal & Blk 135 Gray Shale - 145 Gray Shale - 152 Gray Shale - 156 Rock	Shale Owner Tir Shale Driller Jos 11 ow rock On Date of Noti Shale well sta Type of well (I) Water use: Shale One net with in depth at whi	ce of approjected	ed	Date of the control of the con	compression to the contract of	AWSO, able. The drill, rots ck is Ir ter I of the diff, k or sand	oolry or other) rigation erent strata etc. Show
	- 164 Gray Shale	Size of	Size and	From	} To		ERFORATION	
		Drilled Hole	Weight of Casing	(Feet)	(Feet)	Kind Size	From (Feet)	To (Feet)
- 1		7"	4" ID	+2	164	holes	124	164
-			11 #/ft.			3/8"		
								}
-		Indicate loc place of use	s TA TA Fraction of well e, if possible.	E and Each	Shut-in Pre Pumping V at	-	owing Wei 140 al. per mi min. of f Pumped hrs. king, ceme	Q feet. feet. feet nute. lowing well nting, pack-
- 1		•••••	•••••••••••••	·····	*******************		······	
- - -		USE—If us	sed for irriga per of acres at	tion, in	lustrial, di	rainage or	other. Ex	plain, state
Sho	w exact depth of bottom.	••••••		•••••		***************************************		•••••••
County Clerk as retained by dril	prepared by driller, and three nd Recorder in the county in wh ller. all questions. If not applicabl	nich the well is loc	ated, tissue copy	y to be	1	er's License Ref J er's Signatu	. 0	kusov 19

GW 2		_	- Approved St			
		ONTANA WATER RESOURCES E	A A			
FHE NO		RECEIVE	e de la company			
DUPLICA	ATE	APR 22 1223				
	rog		ADMINISTR	5589 EX	TEQ IN SHIELD	5 5 K 1 1 mm
	Top of Ground		OFF	inimate) in the contract	in the second second	
- 1	(Elev. above sea level	Not	ice of Comp	letion of	Groundwat	er
-	0 - 5 Tops	oil d	Appropriatio	n by Me	ans of Well	
- 1	5 - 10 Sand 10 - 15 Sand	& Gravel	DEVELOPED	AFTER JANU	JARY 1, 1962	
	15 - 30 Yell	ow Shale	(Under Chapter 237	7, Montana Se	ssion Laws, 1961)	
-	30 - 35 Coal 35 - 40 Blue	& Blk. Shale	Hess	A Admos	s Pallon, Mont	en e
-	40 - 48 Coal	& Bik. Shale				
- -	48 - 60 Gray 60 - 51 Skif	t of yellow rock	JohnsonUr1g.	Address	s. Terry, Mest	in.ç,
<u> </u>	61 - 70 Gray	Sandston Date of Noti	ce of appropriation (of groundwate	r	
-	70 - 75 Gray 75 - 80 Coal	* Tk: Stiblewell sta	rted4/2/44	Date o	ompleted4/6/63.	
	80 - 83 Gr	220 UTS	•		ht used Cuble T	
	84 = 66 COM	(r	ug, driven, bored a dr	iil(sd)	(Carn drill, rota	ry or other)
المحافظة	125 Gray		Domestic [Stock 🔼 Ir	rigation 🗌
1 1	' 130 ~ 13 5 Gray	Sale yadineto	on the disgram the	Drain _ [] charaman and	thinkness of fithediffe	erent strata
-	135 - 14 5 Gray 145 - 152 Gray	IN Asset ALL BANKS OF THE STREET	drilling, such as soll	ly Ul##≀shale. ⊢	gravel, rock at r sand, and wharester of wa	etc. Show
	152 - 156 Rock	strain and h	eight to which the w	rises in th	ie well.	
	156 - 164 Gray	Size of	Size and		PERFORATION	is
		Drilled Hole	Weight (Fee	(1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (Kind From Size (Feet)	To (Feet)
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<u> </u>			<u> </u>			<u> </u>
<u> </u>			<u> </u>	Static Wate	er Level for non-fl	aw ing well
-						9feet.
-		+ + + + + + + + + + + + + + + + + + +			sure for Flawing We	
-				Pumping W	ater Level 140	feet
<u> </u>		w 	E		a gal. per min. of f	
<u> </u>				Discharge in		
-	}	ļļ-		How Tested.	Pumped	.,
-		1	s	Length of T	est 4 hrs.	
			3		Fravel packing, ceme	
<u> </u>		NE 1/4Sec	/2 T/4 R 52	ers, type of with 3/	shutoff) Gravel 8" pea gravel	top to
-	ł		cation of well and e, if possible. Each	bottom.		
	ł	small squa acres.	re represents 40	***************************************		*******************
	l	***************************************				
	1				(Continue on re	
		USE —If u	sed for irrigation, ber of acres and loc	industrial, dra	ainage or other. Ex data (i.e.: Lot, Bloc	cplain, state k and Addi-
	1	tion		dion or oraci	uata (1.0.1 200, 2100	n una man-

	Show exact depth o	of bottom.	••••••••••••••••••••••••••••••	***************************************		
-		***************************************	•••••••••••••••••	•••••••	***************************************	•••••••••••••••••••••••••••••••••••••••
This for	m to be prepared by deille	er, and three copies to be filed	by the owner with the		154	
County	Clerk and Recorder in the	county in which the well is loo			r's License Number	1.
	by driller.		and a Aba Command	Chr	a Zun Se	Kuson
Please :		not applicable, so state, other	wise the form will be	Driller	r's Signature.	· · · · · · · · · · · · · · · · · · ·
				V	2007 Signature. 44,00	19
					77,06	?



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File No.....

DUPLICATE

14 R 52

County Dawson

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 14 1964

STATE ENGINEER
STATE ENGINEER
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

		Date of Appropriation of Groundwater. Owner anton Force Address Ilendeine, Morel.
		Contractor (if any)
		Address of Contractor
		Date Started Date Completed
W	2/ 3 _E	Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable
		Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent
	8	estimate approximate lengths of periods of use
	Indicate point of appropriation and place of use, if possible.	Spring 2 dal minute Spring 3 2 gal minute.
		Signature of Owner Anton 19 oniq
	• ,	DateDEC 31 1963

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quantuplicate for the Appropriator.

The second section of the section of

286865

STATE OF MONTANA County of Dawson

Filed for record this 3/st day of Olce Men. A. D. 1963, at 3/30/clock P. M.

County Clerk, and Recorder.

By Days Sheitler Deputy.

GY ~	Applituted Stuck Form-Scate Publishing Co., Helena, Montana-41921
File N	T. 14 R. 52
DUPI	ICATE County Danson
	ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER JAN 14 1964
	Declaration of Vested Groundwater Rights (Under Chapter 287 Montana Session Laws, 1961)
	(Under Chapter 237, Montana Session Laws, 1961)
1L Cor hav	On ald W. Moffett, of Box 27 Fallon (Name of Appropriator) (Address) (Town) unty of Day San State of Montana laws in effect prior to January 1, 1962, as follows:
w	2. The beneficial use on which the claim is based. Water For Live Stack and House. Hold Use. 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 2. Wells were day in 1742 272 272 1732 1732 1732 1732 1732 1732
S W	to which water has been applied and name of the owner thereof Not Used For Irigation Not Used For Irigation Not Used For Irigation
Indicand small	ate point of appropriation place of use, if possible. Each square represents 10 acres. 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.x. water is pumped with Pumpled with Section of Electric Jet Pump.
7.	The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater X 225dxq in 1942 hand dxq in 1922
8.	The depth of water table X = 13 fut x2 24 fut,
	So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 1 15 3 Hand day well 4 eet 144 feet 5722 C 3 nd 16 Feet deep With a Wooden Cafing 2nd 19 19 19 19 19 19 19 19 19 19 19 19 19
10.	The estimated amount of groundwater withdrawn each year 7 - 40,000 Jollans - 72-40,000 Jollans
	The log of formations encountered in the drilling of each well if available. Alailalala
12.	Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.
	Signature of Owner Date 12-27-63
Th	ree copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

Please answer all juestions. If not applicable, so state, otherwise the form will be returned.

STATE OF MONTANA County of Daram

Filed for record this 12.

Harage Care W. Mail

The type desired the second of the second of

. 4111

H:00 Notes P. M.

Horon Wy Coursell

County Clerk on Recorder.

Deputy. Ву. ____

15 Form No. 18 8-60 T. 11 County Dayson DECEIVED MONTANA BUREAU OF MINES AND GEOLOGY Butte, Montana STATE ENGINEER DEC 29 1961 WATER WELL LOG 10:30 A.M. Owner Tony Nonie AddressGlendive Montana Driller Harold Gavin Address Lindsay Montana Date Started Nov. 14 1961 Date Completed Nov. 15 1961 Location: Sec. 15 T. 11 R. 52 $\frac{1}{4}$ sec. N.W. Equipment used churn (Churn, drill, rotary, other) Type of well drilled (Dug, driven, bored, or drilled) Irrigation [Municipal ____ Stock 🔀 Water use: Domestic | Industrial [7 Drainage Other Type steel Size ! inch Casing: 0 ft. to 45 ft. Casing: ____ft. to ____ft. Type____Size___ ft. to ft. Type Size Perforated or Screened: Ft. 33 to ft. 45 . Ft. to ft. Type of screen or perforations slots out in casing Static Water level, for non-flowing well: 25 Shut-in pressure, for flowing well: ____lb./sq. in. on:_____ Pumping water level______feet at___72______gal. per min.____ How tested: slush bucket Length of test one hour Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)

Log of Well

Depth, From	feet	
From	То	Description of Material Drilled
O	18	ಸಕ್ಕಾರೆ ಇದೆಗೆ ನರ್ಗು ಆಟ್ರ್ ಚಿಟ್ರಾಗೆ
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Log of Well

		_					feet	Depth,
	al Drilled	n of Mater:	riptio	Desc			То	rom
<u> </u>		ಗಿರ್ಯಭಾಗ	clay	some	with	sand	18	0
					<u>. </u>	grave	30	18
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Industrial Drainage Other Strata met with in drilling, such as soil. clay, shale, gravel, rock or etc. Show depth at which water is encountered, thickness and charact water-bearing strata and height to which the water rises in the well. Size				.,1.	T	K	52	***************************************
Top of Ground OFFICE OF STATE ENGINEER Notice of Completion of Groundwater Appropriation by Means of Well Live International Completion of Groundwater Appropriation by Means of Well Live International Completion of Groundwater Date well started fall of 1959 Date Completed fall 1959 Type of well Gug driven, bored or Churn, drill, rotary or drilled Churn, drill, rotary or drille	PLICATE					· •	W BOD	
Top of Ground (Elev. above sea level. Notice of Completion of Groundwater Appropriation by Means of Well Living (Under Chapter 237, Montana Session Laws, 1961) Owner		1	ADMINIST				CODE	WEA
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This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

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STATE OF MONTANA County of Dawson

Filed for record this 30 th day of December A. D. 1963, at

County Clerk and Recorder.

Deputy. By.

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	MONTANA	A BUREAU OF I Butte, Mo		EOLOGY		
·		WATER W	ELL LOG	STAI	LMC.RF	12.7
	OwnerCarl	"Bud" Pisk	••••••	Address	rallon, m	iont
	1	son Water Well				
	Date Started	Sept181961	*************************************	Date Comp	leted Sept.	251961
1	I	34 _{T. 14}			-	•
LAbe or merr	(Dug, driven, bored	or drilled)	quipment used	(Churn	drill, rotary, other	r)
Water une: Dom	estic	Marriagal [Stock	x	Irrigation	
Indus	trial	Druinage	Other:	***************************************	************************	
Cosinu: 0	n. to 12	ft. Type	Std. 🐲	RISA 6		
	ft. to 214		Std.			
•	ft. to					
•	eened: Ft. 14					
•	perforationsComb					
	, for non-flowing well:					
Shut-in pressure,	for flowing well:		lb./sq. in. on:		(date)	
Pumping water le	vel 90	feet at	4	ga	. per min	•••••
How tested:	Baler test					····
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nemarks: (Gravi	el packing, cementing	o, pacacio, type of	. omes-om, uepu.	or summore	,	
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(over)

Log of Well

Dent	h, feet	Log of Well
From	To	Description of Material Drilled
	1 20	
0	18	Gravel
18	19	rock
19	30	Elus shale
30	48	yellow shale
48	75	blue shale
75	80	gray shale
80	ප්පි	brown shale
88	92	eoal
<u> </u>	100	Black their
700	105	coal
	110	brown shale
20 .)	120	sandstone
· O	125	shael and intermintent could
135	155	gray sandy shale
155	770	gray sandstone
170	172	seal
172	182	shale
182	185	coal
185	214	black shale
	<u> </u>	
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Page __/ of _/

GROUNDWATER INDEX

County Nawson Twp. 1471 Rge. 53E

Sec.	Name of Appropriator Waite, W. L. Theory, n.e.	Type of Form	County File No. 286817	Remarks
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iw.		Approved Stock Form-State Publishing Co., Helena, Montana-42234
File No	•	Approved Stock Form—State Publishing Co., Helena, Montana—42234
DUPLICATE		County
	ADMINISTRA'	ATE OF MONTANA TOR OF GROUNDWATER CODE OF STATE MUNEER
Decla		Vested Groundwater Rights 237, Montana Session Laws, 1961)
1W. I so Georges	m Waite	(Address) (^{Τη} νντα)
		State of January 1, 1962, as follows:
nave appropriated grounds	water according to) the Montana laws in effect prior to January 1, 1962, as Iohows:
,	2.	The beneficial use on which the claim is based.
	3.	Date or approximate date of earliest beneficial use; and how continues the use has been# 1 = 1919 #2 -1928
W	E 4,	The amount of groundwater claimed (in miner's inches or gall per minute) 16 901 per minute 391 per minute
		If used for irrigation, give the acreage and description of the late which water has been applied and name of the owner there
/8-/4- Sec./3T./4R.	54	Which water has been applied and hame of the owner their
Indicate point of appropris and place of use, if possible. I small square represents 10 a	ation Each	The means of withdrawing such water from the ground and the le
.		tion of each well or other means of withdrawal #
7. The date of commencer drawal of groundwater.	ment and completing	on of the construction of the well, wells, or other works for w
8. The depth of water table		12 ft. #2 45 ft.
9. So far as it may be av	ailable, the type,	size and depth of each well or the general specifications of any o
		thdrawn each year # 1-240,200 #2 - 200,000
		drilling of each well if available
		re as may be useful in carrying out the policy of this act, inches

Three copies to be filed by the owner with the County County in which the well is located.

Please answer all questions. If not applicable, so state, ottherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Approprimer.

> STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

DI PORTIVED

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Mar. Session Laws, 1961)

	Date of Appropriation of Groundwater. 1957 Owness. In av. Grangina M. Address. Glanding Contractor (if any)
Sec #/	Describe means of obtaining groundwater without a well "as by sub-investion and other natural processes". Include depth to water when applicable Natural spring - flowing
M. Sec./ T.14. R53. Indicate point of appropriation and place of use, if possible.	Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use 10 90/. per minute - nature 5 pring
	Signature of Owner 2), 5 wate Date Dle 30/63

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

Carly permitted in the server, 18 commence

and home of the second second

STATE OF MONTANA County of Dawson

Giled for second this 30th day of

You Wouself
County Clerk and Recorder.

....Deputy.